IN THE CLAIMS

Please amend the claims as set out in the following listing of the claims. This claim listing replaces and supersedes all prior claim listings:

1. (Currently Amended) An image decoder for decoding encoded motion picture data composed of plural frames of image data having a plurality of frames and for displaying the decoded motion picture data; the image decoder comprising:

an electric power supplying means source having consumable energy for supplying an electric power to respective units of the image decoder;

means for determining the remaining energy of said source;

a decoding means for sequentially decoding each the frames of image data of the encoded motion picture data at an adjustable image frame rate to provide an adjustable number of bits per pixel of the decoded motion picture data;

a displaying means for sequentially displaying each image data the frames of the decoded motion picture data; and

a controlling means for controlling a decoding process in the decoding means on the basis of anticipated energy to be required needed for playing decoding and displaying the motion picture data and the remaining energy of the electric power supplying means source to dynamically control the playing quality of the motion picture data by selectively reducing said image frame rate or said number of bits per pixel.

2. (Currently Amended) The image decoder according to claim 1, further comprising wherein said decoding means includes a CPU operable at an adjustable frequency; and said means for determining the remaining energy comprises a load

monitoring means for monitoring the computational load of the decoding means, wherein

the load monitoring means adjusts and to adjust the CPU frequency of the decoding

means in accordance with the computational load corresponding to the playing quality.

    3. (Canceled)

    4. (Currently Amended) An image decoding method of performed by an image

decoder for decoding encoded motion picture data composed of plural frames of image

data having a plurality of frames and for displaying the decoded motion picture data; the

image decoding method comprising the steps of:

    a decoding step for sequentially decoding each the frames of image data of the

encoded motion picture data at an adjustable image frame rate to provide an adjustable

number of bits per pixel of the decoded motion picture data;

    a displaying step for sequentially displaying each image data the frames of the

decoded motion picture data on a displaying means; and

    a controlling step for controlling a decoding process in the decoding step on the

basis of anticipated energy to be required needed for playing decoding and displaying the

motion picture data and the remaining energy of an electric power supplying means for

supplying source that supplies electric power to respective units of the image decoder to

dynamically control the playing quality of the motion picture data by selectively reducing

said image frame rate or said number of bits per pixel.

5. (Currently Amended) The image decoding method according to claim 4,

wherein the image decoder includes <u>a CPU operable at an adjustable frequency; and</u> <s>a</s>

<s>load monitoring means for</s> the decoding step further comprises monitoring a

computational load <u>when decoding</u> <s>in the decoding step, the image decoding method</s>

<s>further comprising a CPU frequency adjusting step for</s> <u>and</u> adjusting <s>a</s> <u>the</u> CPU

frequency <s>in the decoding step</s> in accordance with the computational load corresponding

to the playing quality <s>by the load monitoring means</s>.

6. (Canceled)

7. (Currently Amended) A program <u>embodied in a computer-readable medium</u> for

<s>executing</s> <u>controlling</u> an image decoding process <u>performed by</u> <s>in</s> an image decoder for

decoding encoded motion picture data composed of <u>plural frames of</u> image data <s>having a</s>

<s>plurality of frames</s> and <u>for</u> displaying <u>the</u> decoded motion picture data<s>; the program</s>

<s>comprising</s> <u>by</u>:

    <s>a decoding step for sequentially</s> decoding <s>each</s> <u>the frames of</u> image data of the

encoded motion picture data <u>at an adjustable image frame rate to provide an adjustable</u>

<u>number of bits per pixel of the decoded motion picture data</u>;

    <s>a displaying step for sequentially</s> displaying <s>each image data</s> <u>the frames</u> of the

decoded motion picture data <s>on a displaying means</s>; and

    <s>a controlling step for</s> controlling <s>a decoding process in</s> the decoding step on the

basis of anticipated energy <s>to be required</s> <u>needed</u> for <s>playing</s> <u>decoding and displaying</u> the

motion picture data and <u>the</u> remaining energy of an electric power <s>supplying means for</s>

supplying source that supplies electric power to respective units of the image decoder to

dynamically control the playing quality of the motion picture data by selectively reducing

said image frame rate or said number of bits per pixel.

        8-14 (Canceled).

        15. (Currently Amended) An image decoder for decoding encoded motion picture

data composed of plural frames of image data having a plurality of frames and for

displaying the decoded motion picture data; the image decoder comprising:

        a decoding means for sequentially decoding each the frames of image data of the

encoded motion picture data;

        a displaying means for sequentially displaying each image data the frames of the

decoded motion picture data; and

        a controlling means for controlling a decoding process in the decoding means to

dynamically control the playing quality of the motion picture data, wherein the

controlling means dynamically controls the playing quality of the motion picture data on

the basis of a unit time during which a predetermined number of frames is are to be

displayed, a time required for displaying the needed to display said predetermined

number of frames, or an anticipated time to be required for displaying needed to display

said the predetermined number of frames.

        16. (Currently Amended) The image decoder according to claim 15, wherein the

controlling means anticipates the time to be required for displaying needed to display the

predetermined number of frames on the basis of the number of frames that can be

displayed during the unit time.

17. (Currently Amended) The image decoder according to claim 15, wherein the

playing quality ~~indicates~~ is determined by the number of frames to be ~~played~~ displayed

during the unit time or the number of bits ~~for one~~ per pixel of ~~each~~ the decoded image

data.

18. (Currently Amended) An image decoding method ~~of an image decoder~~ for

decoding encoded motion picture data composed of plural frames of image data ~~having a~~

~~plurality of frames~~ and for displaying the decoded motion picture data,~~; the image~~

~~decoding method~~ comprising the steps of:

~~a decoding step for sequentially~~ decoding ~~each~~ the frames of image data of the

encoded motion picture data;

~~a displaying step for sequentially~~ displaying ~~each image data~~ the frames of the

decoded motion picture data ~~on a displaying means~~; and

~~a controlling step for~~ controlling ~~a decoding process in~~ the decoding step to

dynamically control the playing quality of the motion picture data, ~~wherein the~~

~~controlling step dynamically controls the playing quality of the motion picture data~~ on the

basis of a unit time during which a predetermined number of frames ~~is~~ are to be

displayed, a time ~~required for displaying~~ needed to display the predetermined number of

frames, or an anticipated time ~~to be required for displaying~~ needed to display the

predetermined number of frames.

19. (Currently Amended) The image decoding method according to claim 18, wherein the <u>step of</u> controlling ~~step~~ anticipates the time ~~to be required for displaying~~ <u>needed to display</u> the predetermined number of frames on the basis of the number of frames that can be displayed during the unit time.

20. (Currently Amended) The image decoding method according to claim 18, wherein the playing quality ~~indicates~~ <u>is determined by</u> the number of frames to be ~~played~~ <u>displayed</u> during the unit time or the number of bits ~~for one~~ <u>per</u> pixel of ~~each~~ <u>the decoded</u> image data.

21. (Currently Amended) A program <u>embodied in a computer readable medium</u> for ~~executing~~ <u>controlling</u> an image decoding process ~~in an image decoder for decoding~~ <u>to decode</u> encoded motion picture data composed of <u>plural frames of</u> image data ~~having a plurality of frames~~ and <u>for</u> displaying <u>the</u> decoded motion picture data<u> by</u>~~, the program comprising~~:

a ~~decoding step for sequentially~~ decoding ~~each~~ <u>the frames of</u> image data of the encoded motion picture data;

a ~~displaying step for sequentially~~ displaying ~~each image data~~ <u>the frames</u> of the decoded motion picture data ~~on a displaying means~~; and

a ~~controlling step for~~ controlling ~~a decoding process in~~ the decoding step to dynamically control the playing quality of the motion picture data, ~~wherein the controlling step dynamically controls the playing quality of the motion picture data~~ on the

basis of a unit time during which a predetermined number of frames ~~is~~ are to be

displayed, a time ~~required for displaying~~ needed to display the predetermined number of

frames, or an anticipated time ~~to be required for displaying~~ needed to display the

predetermined number of frames.